

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

**San Angelo, TX**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**July**

**2011**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**August 17, 2011**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

An upper level high pressure system dominated much of the Southern Plains including Texas during the month of July. This pattern induced hot and dry conditions and intensified the drought across the San Angelo hydrologic service area (HSA). Numerous climate records were set or tied at Abilene and San Angelo during the month. July, 2011 was the warmest July on record at both Abilene and San Angelo. Furthermore, this month set the all-time record for warmest month at San Angelo and tied the all-time record for warmest month at Abilene. Many other daily record high temperatures and daily record warm low temperatures were set or tied at both stations.

By the end of July, the U.S. Drought Monitor depicted exceptional drought conditions across most of the HSA. Only small portions of Runnels and Coleman Counties received enough moisture early in the summer to keep from deteriorating beyond extreme drought conditions. The USGS Water Watch showed daily streamflows in the HSA were well below normal during the month.

The average precipitation reported from coop observers in July was 0.11 of an inch. The highest monthly precipitation total of 0.68 of an inch was reported in Mason County.

The San Angelo Regional Airport received a trace of precipitation during July, which was 1.10 inches below normal for the month. The monthly normal rainfall for San Angelo in July is 1.10 inches.

The Abilene Regional Airport received only a trace of precipitation during July, which was 1.70 inches below normal for the month. The monthly normal rainfall for Abilene in July is 1.70 inches.

Junction received 0.55 of an inch of rain during July. The estimated average monthly rainfall in July is about 2.25 inches.

**Coop Observer Rainfall Totals for July, 2011:**

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	0.07		Mertzon 12NNW	0.00
Acton Ranch	0.12		Oak Creek Lake	0.06
Albany	T		Ozona	0.12
Anson	0.00		Ozona 22SE	0.01
Ballinger 2NW	0.00		Paint Rock	T
Brady	0.02		Putnam	0.00
Brownwood	0.15		Red Bluff Crossing	0.00
Burkett	0.00		Roscoe	0.29
Coleman	0.08		Rotan	0.00
Concho Park	0.00		San Angelo WFO	0.00
Eden	0.00		San Saba 7NW	0.13
Eldorado	0.06		Santa Anna 12SSE	0.00
Eldorado 10W	0.06		Silver Valley	0.00
Fort Griffin	0.00		Sonora	0.68
Fort McKavett	0.43		Stamford	0.00
Glen Cove 2NE	0.00		Sterling City	0.00
Hamlin	0.47		Taylor Ranch	0.18
Haskell	0.01		Throckmorton 7NE	0.00
Hords Creek	0.00		Water Valley	0.00
Humble Pump	0.34		Water Valley 11NE	0.46
Junction 4SSW	0.13		Winters	0.00
Mason	0.68		Woodson	0.00
Menard	0.24		(M) <i>Missing data</i>	
Merkel 12SW	0.23		(T) <i>Trace</i>	

**Reservoir Conditions (end of July, 2011)**

<b>Reservoir</b>	<b>Conservation Capacity (Ac-Ft)</b>	<b>End of Month Capacity (Ac-Ft)</b>	<b>Percent of Capacity (%)</b>
Fort Phantom Hill	70,030	42,760	61
Lake Stamford	52,700	33,400	65
Hubbard Creek Lake	317,800	153,640	48
Hords Creek Lake	8,800	2,160	27
Lake Brownwood	131,428	57,890	44
E.V. Spence	488,760	3,210	1
O.C. Fisher	119,200	0	0
O.H. Ivie	554,340	128,700	23
Twin Buttes	177,800	17,180	10

**Hydro Products Issued**

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for July across the San Angelo HSA is depicted below.

